

Fig. 1

Fig. 1

In Vivo IFN- $\gamma$  production  
during tuberculosis infection

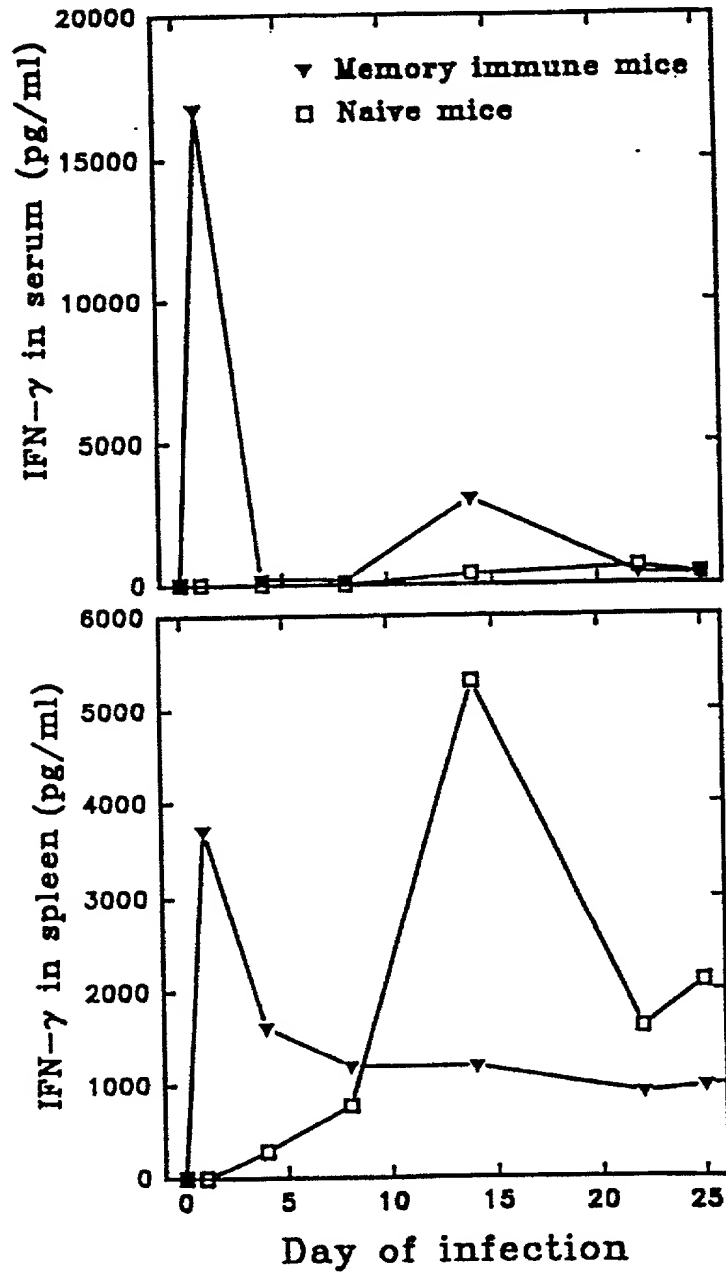


Fig. 2

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# In vitro response of spleen lymphocytes

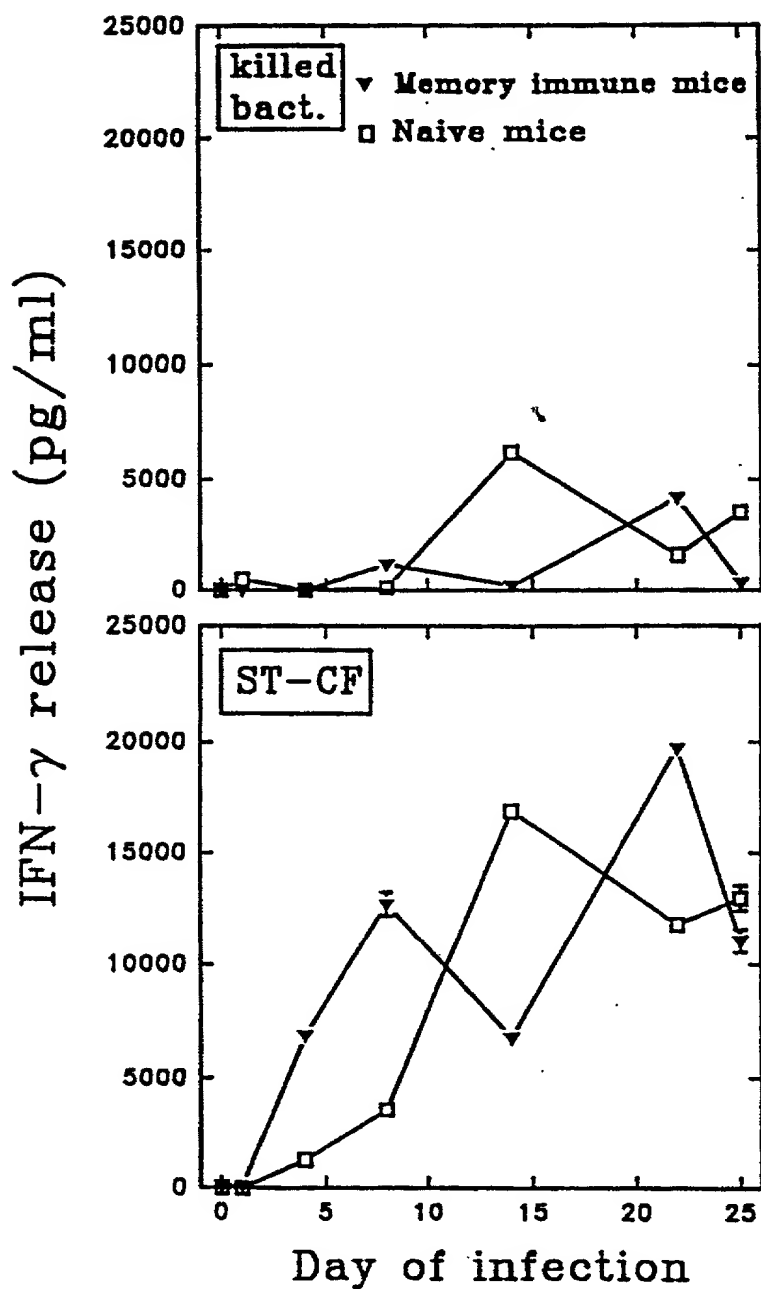


Fig. 3

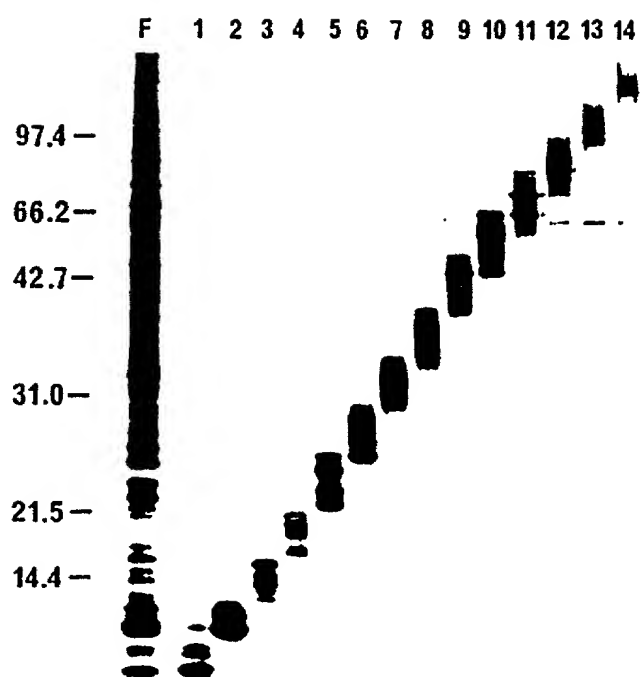


Fig. 4

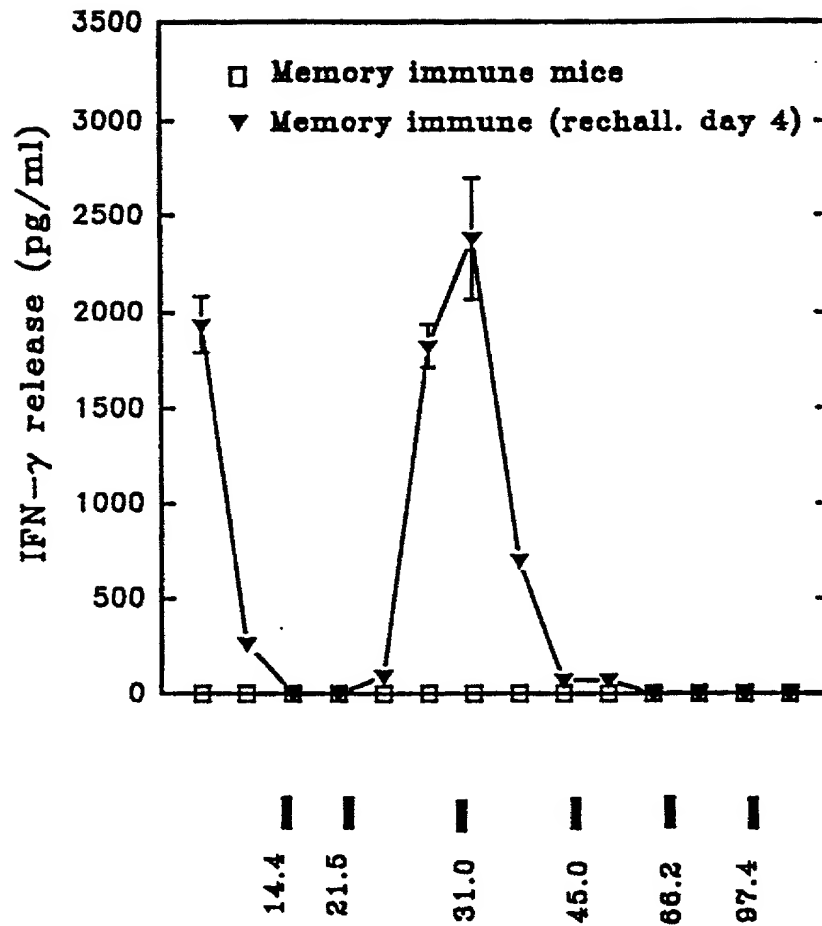


Fig. 5

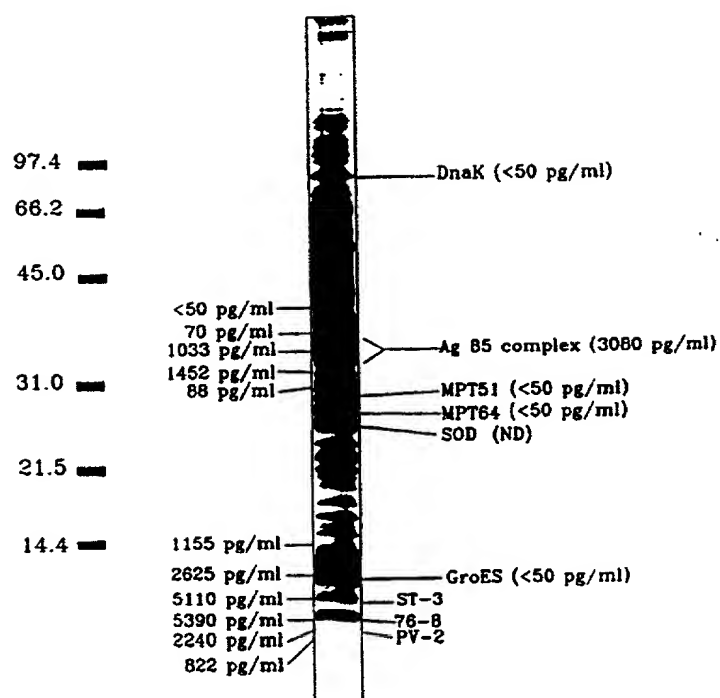
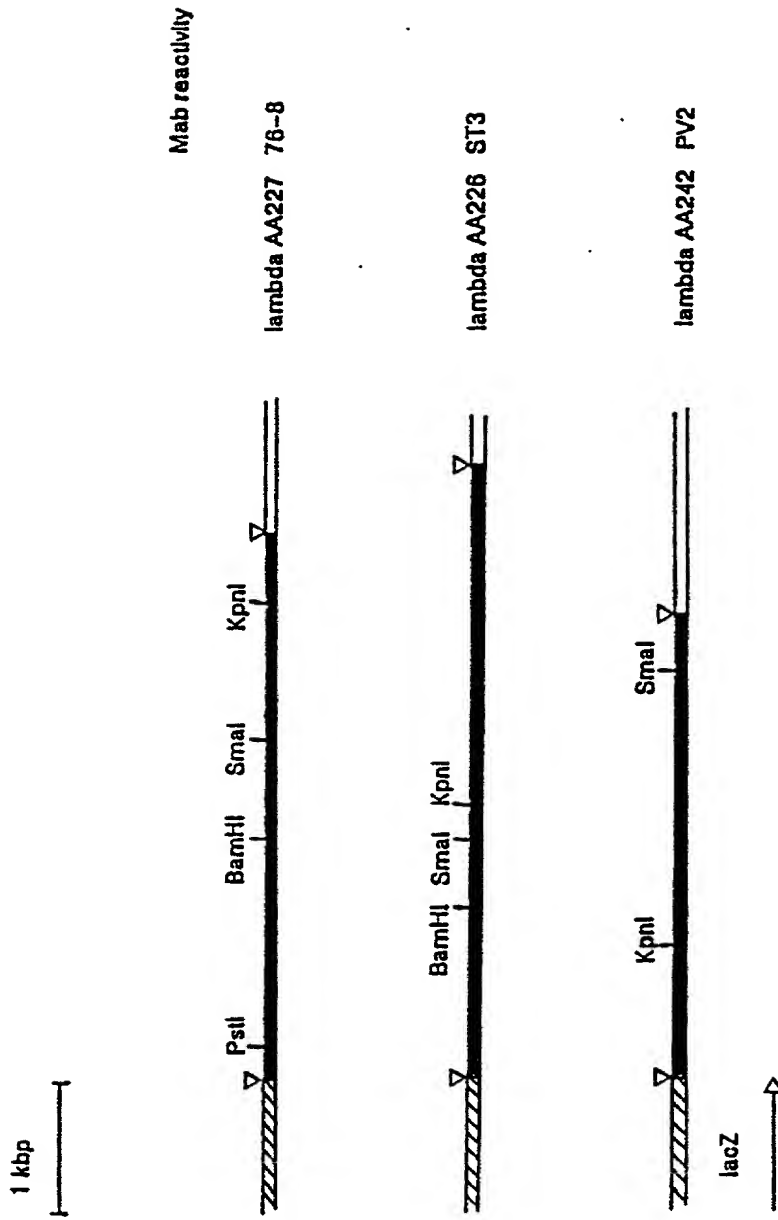


Fig. 6



Physical map of recombinant lambda  
phages expressing products reactive with Mabs  
recognizing low M.W. components

Fig. 7

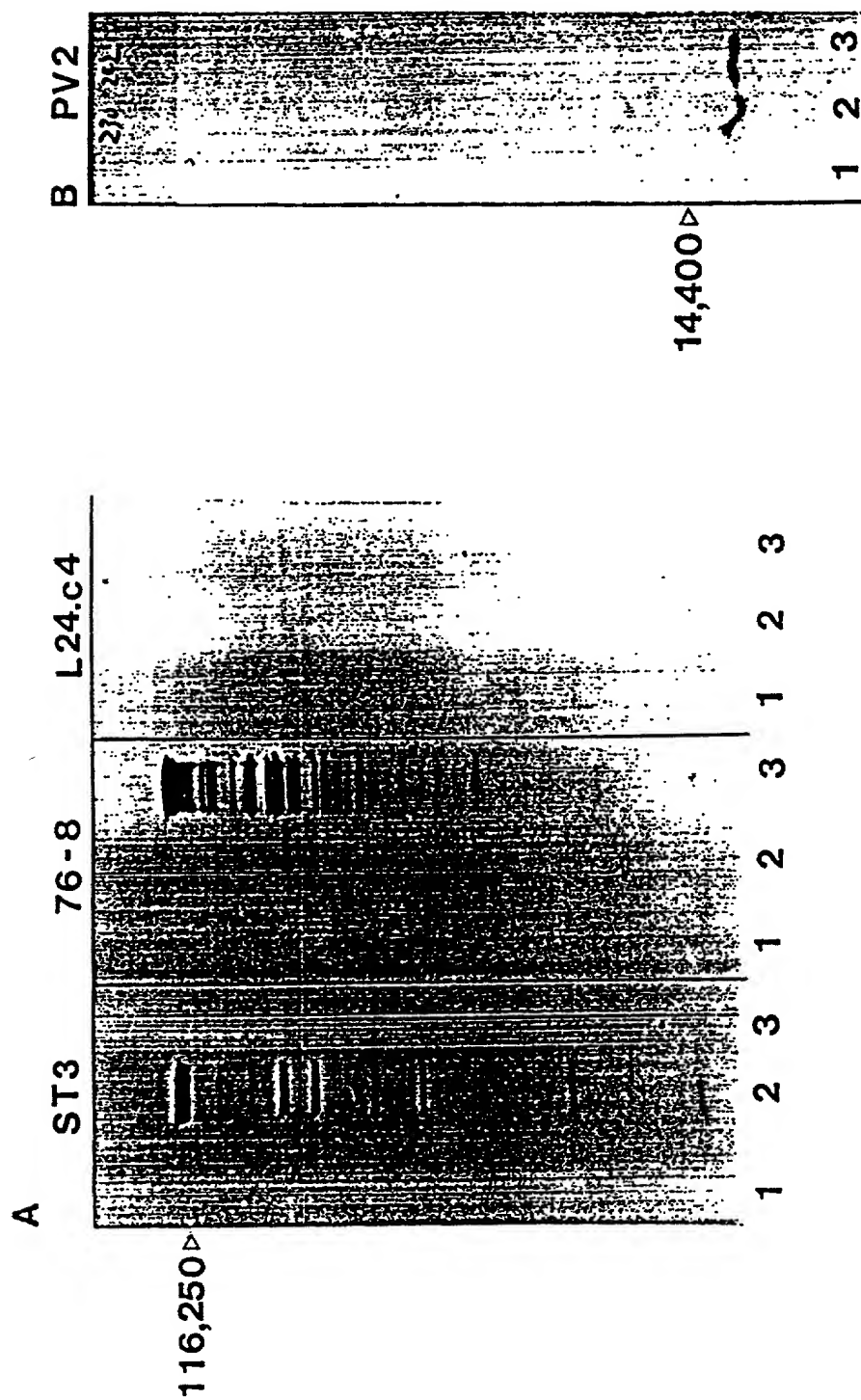


Fig. 8



1	GGCCGCGGT	ACCTA	TGTTG	CGCCG	ATGC	TGCGG	CGCG	TGCAC	CTATA	CGGGT	CTG	60
-35region												
61	ATCGAAC	CCT	GCTGAC	CGAG	AGGACT	TGTG	ATG	TGG	CAA	ATC	ATG	120
-10 region												
Shine Delgarno												
121	ATG	TTG	GGT	CAC	GCC	GGG	GAT	AA	GCC	ATG	TAC	180
181	GAG	ATC	GCC	GTG	CGG	CGG	GCC	GGG	TGG	ATC	ATG	240
241	TAT	CGG	GGG	TTG	CGG	ATG	CAA	ATG	ATG	ATG	ATG	300
301	GCG	ATG	TCC	AGC	ACC	CAT	GAA	GCC	ATG	ATG	ATG	360
361	GCC	GCC	AAA	TGG	GCC	GCC	TAG					381
A A K W G G •												

Fig. 9

1 GGGTAGCCCG ACCACGGCTG GGCAGAAGATG TGCAGGCCGC CATCAAGGCG GTCAAGGCCG 60  
 -35 region  
 61 GCGACGGCGT CATAAACCTG GACGGACCT TGTGGCGGG CCCGCGGTG CTGACGCCCG 120  
 -10 region  
 121 ACGAGTACAA CTCGGGCTG GTG GCC GCC GAC CCG GAG TCC ACC GCG GCG 170  
 Shine Delgarno V A A D P E S T A A  
 171 TTG CCC GAC GGC GCC GGG CTG GTC GTT CTG GAT GGC ACC GTC ACT GCC GAA CTC GAA GCC 230  
 L P D G A G L V V L D G T V T A E L E A  
 231 GAG GGC TGG GCC AAA GAT CGC ATC CGC GAA CTG CAA GAG CTG CGT AAG TCG ACC GGG CTG 290  
 E G W A K D R I R E L Q E L R K S T G L  
 291 GAC GTT TCC GAC CGC ATC CGG GTG ATG TCG GTG CCT GCG GAA CGC GAA GAC TGG GCG 350  
 D V S D R I R V V M S V P A E R E D W A  
 351 CGC ACC CAT CGC GAC CTC ATT GCC GGA GAA ATC TTG GCT ACC GAC TTC GAA TTC GCC GAC 410  
 R T H R D L I A G E I L A T D F E F A D  
 411 CTC GCC GAT GGT GTG GCC ATC GGC GAC GGC GTG CCG GTA AGC ATC GAA AAG ACC TGA 467  
 L A D G V A I G D G V R V S I E K T \*

Fig. 10

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1 GAATTCGCCGGGTGCACACAGCCTTACACGACGGAGGTGGACACATGAAG 50  
M K  
51 GGTCGGTTCGGCGCTGCTGCGGGCGCTCTGGATTGCCGCACTGTCATTTCGG 100  
G R S A L L R A L W I A A L S F G  
101 GTTGGGCGGTGTCGCGGTAGCCGCGGAACCCACCGCCAAGGCCGCCCAT 150  
L G G V A V A A E P T A K A A P  
151 ACGAGAACCTGATGGTGCCGTCGCCCTCGATGGGCCGGGACATCCCGGTG 200  
Y E N L M V P S P S M G R D I P V  
201 GCCTTCCTAGCCGGTGGGCCGACGCGGTGTATCTGCTGGACGCCTTCAA 250  
A F L A G G P H A V Y L L D A F N  
251 CGCCGGCCCGGATGTCAGTAACTGGGTCACCGCGGGTAACGCGATGAACA 300  
A G P D V S N W V T A G N A M N  
301 CGTTGGCGGGCAAGGGGATTTCGGTGGTGGCACC GGCCGGTGGTGCGTAC 350  
T L A G K G I S V V A P A G G A Y  
351 AGCATGTACACCAACTGGGAGCAGGATGGCAGCAAGCAGTGGGACACCTT 400  
S M Y T N W E Q D G S K Q W D T F  
401 CTTGTCCGCTGAGCTGCCCGACTGGCTGGCCGCTAACC GGGGCTTGGCCC 450  
L S A E L P D W L A A N R G L A  
451 CCGGTGGCCATGCGGCCGTTGGCGCCGCTCAGGGCGGTTACGGGGCGATG 500  
P G G H A A V G A A Q G G Y G A M  
501 GCGCTGGCGGCCTTCCACCCCGACCGCTTCGGCTTCGCTGGCTCGATGTC 550  
A L A A F H P D R F G F A G S M S  
551 GGGCTTTTGTACCCGTCGAACACCACCACCAACGGTGCGATCGCGGCGG 600  
G F L Y P S N T T T N G A I A A  
601 GCATGCAGCAATTTCGGCGGTGTGGACACCAACGGAATGTGGGGAGCACCA 650  
G M Q Q F G G V D T N G M W G A P  
651 CAGCTGGGTCGGTGGAAGTGGCACGACCCGTGGGTGCATGCCAGCCTGCT 700  
Q L G R W K W H D P W V H A S L L  
701 GGCGCAAAACAACACCCGGGTGTGGGTGTGGAGCCCGACCAACCCGGGAG 750  
A Q N N E E V W W S P T N P G  
751 CCAGCGATCCCGCCGCGCATGATCGGCCAAACCGCCGAGGCGATGGGTAAC 800  
A S D P A A M I G Q T A E A M G N  
801 AGCCGCGATGTTCTACAACCAGTATCGCAGCGTCGGCGGGCACAACGGACA 850  
S R M F Y N Q Y R S V G G H N G H  
851 CTTGCACTTCCCAGCCAGCGGTGACAACGGCTGGGGCTCGTGGGCGCCCC 900  
F D F P A S G D N G W G S W A P  
901 AGCTGGGCGCTATGTGGGCGATATCGTCGGTGGGATCCGCTAAGCGAAT 950  
Q L G A M S G D I V G A I R  
951 TC 952

Fig. 11

## 2-DE reference map of ST-CF

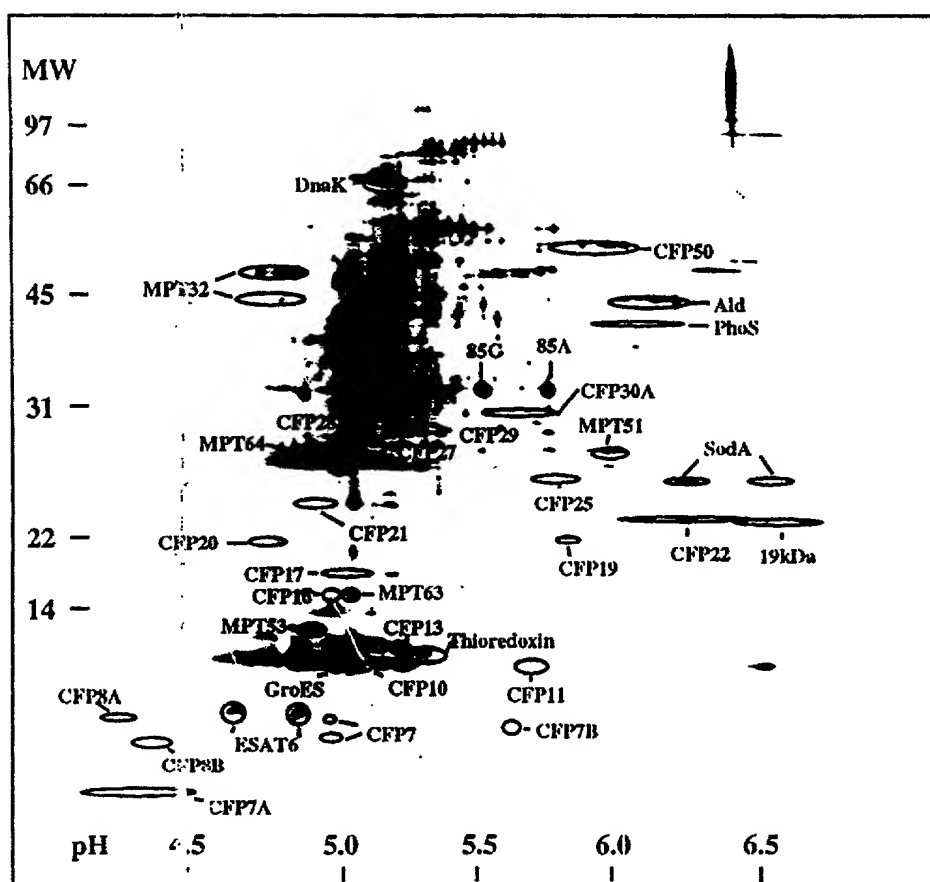


Fig. 12

TB10.4	MSQIMYNYPAMLGHAGDMAGYAGTQLQSLGAEIAVEQALQSAWQSDTGITYQAWQAWNQAMEDLVRA	YHAMSSTHEANTMAMMARDTAEAAKWGG
TB10.4-P1	MSQIMYNYPAMLGHAGDM	
TB10.4-P2	MLGHAGDMAGYAGTQLQSL	
TB10.4-P3	YAGTQLQSLGAEIAVEQAA	
TB10.4-P4	EIAVEQALQSAWQSDTG	
TB10.4-P5	SAWQSDTGITYQAWQAW	
TB10.4-P6	YQAWQAWNQAMEDLVRA	
TB10.4-P7	AMEDLVRA	YHAMSSTHEA
TB10.4-P8	AMSSTHEANTMAMMARDT	
TB10.4-P9	MAMMARDTAEAAKWGG	

Fig. 13

TB10.3 MSQIMYNYPAMMAHAGDMAGYAGTQSLGADIASEQAVLSSAWQGDGTGITYQGWQTQWNQALEDLVRAYQSMGTHESNTMAMLARDCGAEAAKWGG

TB10.3-P1 MSQIMYNYPAMMAHAGDMAG

TB10.3-P2 MMMAHAGDMAGYAGTQSLGA

TB10.3-P3 YAGTQSLGADIASEQAVLS

TB10.3-P4 DIAEQAVLSSAWQGDGTG

TB10.3-P5 SAWQGDGTGITYQGWQTQWNQ

TB10.3-P6 YQGWQTQWNQALEDLVRAYQ

TB10.3-P7 ALEDLVRAYQSMGTHESNT

TB10.3-P8 SMGTHESNTMAMLARDCGAE

TB10.3-P9 MMMAHAGDMAGYAGTQSLGA

Fig. 14

TB12.9	MSQSMYSYPAMTANVGDMAGYGTGTQSLGADIASERTAPSRACQGLGMSHODWQAWNQAMEALAPAYRRCRRALRQIGVLERPVGDSDDCGTIRVGSFGRWLDPRHAGPATAADAGD
TB12.9-P1	MSQSMYSYPAMTANVGDMAG
TB12.9-P2	MTANVGDMAGYGTGTQSLGA
TB12.9-P3	YTGTTQSLGADIASERTAPS
TB12.9-P4	DIASERTAPSRACQGLGMS
TB12.9-P5	RACQGLGMSHODWQAWNQ
TB12.9-P6	HODWQAWNQAMEALAPAYR
TB12.9-P7	AMEALAPAYRRCRRALRQIG
TB12.9-P8	RCRRALRQIGVLERPVGDS
TB12.9-P9	VLERPVGDSDDCGTIRVGSF
TB12.9-P10	DCGTIRVGSFGRWLDPRHA
TB12.9-P11	RGRWLDPRHAGPATAADAGD

Fig. 15